

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000277

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 17/043

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B, F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2118659 A (ALSTHOM-ATLANTIQUE (FRANCE)), 2 November 1983 (02.11.1983) --	1-7
A	US 5785357 A (E.L. FOSTER ET AL), 28 July 1998 (28.07.1998) --	1-7
A	US 2708132 A (F.E. O'NEILL), 10 May 1955 (10.05.1955) -----	1-7

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

28 December 2004

Date of mailing of the international search report

30-12-2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. + 46 8 666 02 86

Authorized officer

Christer Bäcknert / MRO  
Telephone No. + 46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

Information on patent family members

27/11/2004

International application No.

PCT/NO 2004/000277

GB	2118659	A	02/11/1983	BE	896419	A	11/10/1983
				BR	8301978	A	20/12/1983
				CA	1211133	A	09/09/1986
				DE	3313598	A	20/10/1983
				FR	2525304	A,B	21/10/1983
				GB	8309919	D	00/00/0000
				NL	8301312	A	16/11/1983
				US	4512596	A	23/04/1985
US	5785357	A	28/07/1998	CA	2229805	A	27/03/1997
				NO	981283	A	20/03/1998
				WO	9711303	A	27/03/1997
US	2708132	A	10/05/1955	NONE			

Post Available Copy